



A.D. 1875, 9th AUGUST. N° 2798.

S P E C I F I C A T I O N

OF

JOSEPH ROBINSON.

DISCHARGE OF SEWAGE FROM TOWNS.

LONDON:

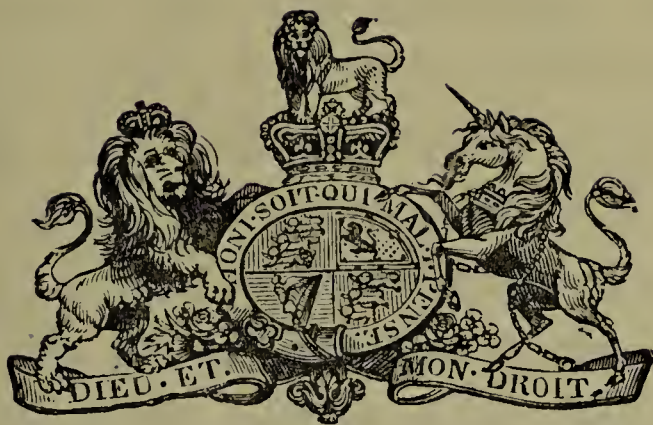
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1876.



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Discharge of Sewage from Towns.

(This Invention received Provisional Protection only.)

PROVISIONAL SPECIFICATION left by Joseph Robinson at the Office of the Commissioners of Patents, with his Petition, on the 9th August 1875.

I, JOSEPH ROBINSON, of Littlehampton, in the County of Sussex, do
5 hereby declare the nature of my said Invention for "IMPROVEMENTS IN
THE APPLICATION OF TIDAL CURRENTS TO THE DISCHARGING OF SEWAGE," to be as
follows:—

This Invention relates to the discharge of sewage from towns and
villages on the sea coast where advantage can be taken of the action of
10 the tide for the purpose of diluting the sewage and discharging it in the
diluted state at such times as will cause it to be carried out to sea
without causing any unpleasantness to the inhabitants of the town or
village from whence the sewage flows.

In carrying out this Invention I prepare tanks of a sufficient capacity
15 to retain the sewage for any desired period, during which it cannot
be conveniently carried out to sea. These tanks are divided at any
required distance from the bottom, and in any convenient manner by a
partition extending over the entire interior surface of such tanks, so that

Robinson's Improvements in the Discharge of Sewage from Towns.

the sewage may be retained in the lower division whilst the sea water can be admitted to the upper division. The sewage is allowed to flow into the lower portions of the tanks as required, and when the tide gets sufficiently high the tidal water will flow into the upper portions or divisions of the tanks, from whence by self-acting valves it is allowed 5 to flow into and dilute the sewage in the lower tank, and after filling the lower tank the diluted sewage and tidal water will fill up both tanks to the tidal limit. When the tide is on the ebb the contents of the tanks are caused to be discharged by means of a valve, whereby the entire diluted contents pass into and are carried off by the ebb tide. 10

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Printers to the Queen's most Excellent Majesty. 1876.

